Am ndm nts to th Claims:

This listing of claims will replace, without prejudice, all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-13 (canceled).

14. (Original) A method of optimally controlling the size of fluid particles discharged from an aerosol tip mechanism having a plurality of fluid channels forming a portion of fluid conduit to a swirling chamber contained within the aerosol tip mechanism, the method comprising:

minimizing a length of the plurality of fluid channels; and

minimizing a rate of change of width of the plurality of fluid channels;

whereby head loss is minimized without having to adjust the length of the plurality of fluid channels, and pressure differentials and celerity in the plurality of fluid channels are maximized.

15. (Original) The method of claim 14, wherein the plurality of fluid channels are connected to a plurality of spiral feed channels, the method further comprising:

minimizing a K factor in transition between the fluid channels and the spiral feed channels.

16. (Original) The method of claim 15, further comprising the step of:

reducing energy losses in the plurality of spiral feed channels by minimizing a length to diameter ratio of the spiral feed channels.

17. (Original) The method of claim 16, the method further comprising the step of:

releasing fluid from the plurality of spiral feed channels in a plurality of trajectories into the swirling chamber via a ramp element, each trajectory being substantially separated such that minimal interference occurs between fluid traveling in the separate trajectories.

18. (Original) The method of claim 17, wherein the plurality of trajectories are spirals.

19. (Original) The method of claim 18, wherein the plurality of trajectories are vertically separated.